

## 2019 Current Fiscal Year Report: Technological Advisory Council

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### 1. Department or Agency

Federal Communications Commission

### 2. Fiscal Year

2019

### 3. Committee or Subcommittee

Technological Advisory Council

### 3b. GSA Committee No.

5254

### 4. Is this New During Fiscal Year?

No

### 5. Current Charter

05/17/2019

### 6. Expected Renewal Date

05/17/2021

### 7. Expected Term Date

### 8a. Was Terminated During Fiscal Year?

No

### 8b. Specific Termination Authority

Agency decision

### 8c. Actual Term Date

### 9. Agency Recommendation for Next Fiscal Year

Continue

### 10a. Legislation Req to Terminate?

No

### 10b. Legislation Pending?

Not Applicable

### 11. Establishment Authority

Agency Authority

### 12. Specific Establishment Authority

Agency decision

### 13. Effective Date

12/11/1998

### 14. Committee Type

Continuing

### 14c. Presidential?

No

### 15. Description of Committee

Scientific Technical Program Advisory Board

### 16a. Total Number of Reports

No Reports for this Fiscal Year

### 17a. Open Meetings and Dates

No Meetings

### 17b. Closed Meetings and Dates

0

### 17c. Partially Closed Meetings and Dates

0

### Other Activities

0

### 17d. Total Meetings and Dates

0

### Current FY Next FY

### 18a(1). Personnel Pmts to Non-Federal Members

\$0.00 \$0.00

### 18a(2). Personnel Pmts to Federal Members

\$0.00 \$0.00

### 18a(3). Personnel Pmts to Federal Staff

\$0.00 \$0.00

### 18a(4). Personnel Pmts to Non-Member Consultants

\$0.00 \$0.00

### 18b(1). Travel and Per Diem to Non-Federal Members

\$0.00 \$0.00

### 18b(2). Travel and Per Diem to Federal Members

\$0.00 \$0.00

### 18b(3). Travel and Per Diem to Federal Staff

\$0.00 \$0.00

### 18b(4). Travel and Per Diem to Non-member Consultants

\$0.00 \$0.00

### 18c. Other(rents,user charges, graphics, printing, mail, etc.)

\$0.00 \$0.00

### 18d. Total

\$0.00 \$0.00

### 19. Federal Staff Support Years (FTE)

0.00 0.00

**20a. How does the Committee accomplish its purpose?**

The TAC will provide technical advice to the Federal Communications Commission and make recommendations on the issues and questions presented to it by the FCC. The TAC will also address questions that are referred to the Council by the FCC Chairman, or by the FCC Chief Technologist or Chief Engineer. The questions directed to TAC will relate to technological and technical issues in the field of communications. TAC members will conduct the necessary research and, otherwise, gather the information necessary to carry out these activities.

**20b. How does the Committee balance its membership?**

Members have been selected to balance the expertise and viewpoints that are necessary to address effectively the new technology issues that will be directed to TAC. Members are recognized experts in their fields and, for private sector companies, individuals who hold technical executive positions such as Chief Technical Officer or Senior Technical Manager.

**20c. How frequent and relevant are the Committee Meetings?**

Three meetings were held during the fiscal year. During meetings, members should be prepared for vigorous debate with their peers on TAC as well as with FCC Commissioners and staff. The opportunity for this face-to-face debate will help to clarify issues and improve the recommendations of TAC.

**20d. Why can't the advice or information this committee provides be obtained elsewhere?**

Rapid advances in technology have resulted in innovations in how telecommunications services are provided to, and are accessed by, users of these services. Many of these advances are increasing the rate of convergence among categories of services that have traditionally been viewed as distinct, such as cable television services, telephony, data services, and internet services. Regulations must be examined in light of these technology advances, and the Federal Communications Commission (FCC) must remain abreast of these new developments in technology so that it can effectively fulfill its responsibilities under the Communications Act. The Commission must rely on outside expertise, such as in the forum provided by TAC, to stay abreast of these developments.

**20e. Why is it necessary to close and/or partially closed committee meetings?**

N/A

**21. Remarks**

## Designated Federal Officer

Youngil Michael Ha Deputy Chief, Policy and Rules Division, Office of Engineering and Technology, FCC

Committee Members	Start	End	Occupation	Member Designation
Ahmed, Shahid	02/15/2011	05/20/2019	SUBJECT MATTER EXPERT	Representative Member
Barnhill, John	10/02/2014	05/20/2019	Engineer	Representative Member
Bayliss, Mark	10/25/2010	05/20/2019	President, Visual Link	Representative Member
Bergman, Nomi	10/25/2010	05/20/2019	Senior Exec Officer, Advance Newhouse Networks	Representative Member
Chapin, John	01/19/2017	05/20/2019	Vice President Advanced Techonology	Representative Member
Claudy, Lynn	10/25/2010	05/20/2019	SVP, National Assoc. of Broadcasters	Representative Member
Cooper, Marty	01/27/2012	05/20/2019	Chairman, Dyna LLC	Representative Member
Daly, Brian	10/25/2010	05/20/2019	Director, AT&T	Representative Member
DeVries, Pierre	04/09/2012	05/20/2019	Senior Fellow, Silicon Flatirons Center for Law, Technology, and Entrepreneurship University of Colorado at Boulder	Special Government Employee (SGE) Member
Dobbins, John	12/09/2013	05/20/2019	SVP, Network and Access Development	Representative Member
Drobot, Adam	03/22/2012	05/20/2019	Chairman, OpenTechWorks	Representative Member
Foerster, Jeff	04/01/2015	05/20/2019	Principal Engineer, Intel	Representative Member
Fontes, Brian	04/09/2012	05/20/2019	CEO, NENA	Representative Member
Green, Dick	10/25/2010	05/20/2019	Board Member, Liberty Global, Inc	Representative Member
Guess, Lisa	04/01/2015	05/20/2019	Engineer	Representative Member
Gyurek, Russ	02/25/2011	05/20/2019	Leader Global Technology Team, Office of the CTO	Representative Member
Hatfield, Dale	10/25/2010	05/20/2019	Ex. Direct, Silicon Flatirons Center	Representative Member
Hayes, Steven	09/19/2017	05/20/2019	Head of North American Standards	Representative Member
Hess, Mark	03/10/2014	05/20/2019	SVP, Comcast Corporation	Representative Member
Kuoppamaki, Karri	06/09/2016	05/20/2019	VP, Radio Network Technology and Strategy	Representative Member
Lanning, Steve	12/09/2013	05/20/2019	VP Operations, ViaSat	Representative Member
Lapin, Gregory	10/25/2010	05/20/2019	Indepedent Consultant	Representative Member
Leddy, Kevin	06/08/2017	05/20/2019	SVP of Technology, Charter Communications	Representative Member
Markwalter, Brian	10/25/2010	05/20/2019	VP, CEA	Representative Member
McGarry, Tom	04/01/2015	05/20/2019	Vice President, Neustar	Representative Member
Medin, Milo	02/14/2012	05/20/2019	Vice President, Access Services	Representative Member
Mendenhall, Geoffrey	04/01/2015	05/20/2019	Technical Advisor	Representative Member
Merrill, Lynn	01/14/2015	05/20/2019	President/CEO, Monte R. Lee & Company	Representative Member
Misener, Paul	12/09/2013	05/20/2019	Vice President Global Public Policy	Representative Member
Nasielski, Jack	06/29/2011	05/20/2019	Senior Director, Qualcomm	Representative Member
Parekh, Deven	02/15/2011	05/20/2019	Managing Director, Insight Venture Partners	Representative Member
Richer, Mark	01/27/2012	05/20/2019	President, Advanced Television Systems Committeee, Inc.	Representative Member
Roberson, Dennis	10/25/2010	05/20/2019	Vice Provost and Research Professor, Illinois Inst. of Technology	Representative Member
Russell, Jesse	10/25/2010	05/20/2019	Chairman and CEO, incNetworks	Representative Member
Schimdtk, Hans-Juergen	09/24/2015	05/20/2019	Director of Engineering, Facebook	Representative Member
Simpson, Dayne	12/09/2013	05/20/2019	Corporate VP, Microsoft Research and Technology	Representative Member
Sirbu, Marvin	10/25/2010	05/20/2019	Prof. of Engineering and Public Policy, Carnegie Mellon Univ.	Special Government Employee (SGE) Member
Sparks, Kevin	01/27/2012	05/20/2019	Senior Director, Alcatel-Lucent	Representative Member
Steinberg, Paul	10/25/2010	05/20/2019	CTO for Motorola Solutions	Representative Member

Tennenhouse, Dave	09/27/2012 05/20/2019	Chief Research
Young, David	04/01/2015 05/20/2019	Vice President - Public Policy, Verizon
Zhang, Charlie	09/23/2014 05/20/2019	Vice President, Samsung Research
claffy, kc	10/25/2010 05/20/2019	Adjunct Professor, UC, San Diego

Representative Member
Representative Member
Representative Member
Representative Member

**Number of Committee Members Listed: 43**

## Narrative Description

The Technological Advisory Committee provides important insight to the Federal Communications Commission on technical issues that bear on communications policy and regulation.

## What are the most significant program outcomes associated with this committee?

Checked if Applies

Improvements to health or safety	<input type="checkbox"/>
Trust in government	<input type="checkbox"/>
Major policy changes	<input type="checkbox"/>
Advance in scientific research	<input checked="" type="checkbox"/>
Effective grant making	<input type="checkbox"/>
Improved service delivery	<input type="checkbox"/>
Increased customer satisfaction	<input type="checkbox"/>
Implementation of laws or regulatory requirements	<input checked="" type="checkbox"/>
Other	<input checked="" type="checkbox"/>

## Outcome Comments

Heightened awareness at Federal Communications Commission of new and emerging technological trends that bear on critical communications regulatory and policy decisions. Identification of issues or regulatory rules that inhibit deployment of technology.

## What are the cost savings associated with this committee?

Checked if Applies

None	<input type="checkbox"/>
Unable to Determine	<input checked="" type="checkbox"/>
Under \$100,000	<input type="checkbox"/>
\$100,000 - \$500,000	<input type="checkbox"/>
\$500,001 - \$1,000,000	<input type="checkbox"/>
\$1,000,001 - \$5,000,000	<input type="checkbox"/>
\$5,000,001 - \$10,000,000	<input type="checkbox"/>
Over \$10,000,000	<input type="checkbox"/>
Cost Savings Other	<input type="checkbox"/>

## **Cost Savings Comments**

NA

**What is the approximate Number of recommendations produced by this committee for the life of the committee?**

88

## **Number of Recommendations Comments**

The Technological Advisory Committee provides value by briefing the Commission on relevant technical issues. These included detailed recommendations to facilitate the deployment of broadband technology, recommendations to deal with the transition of the Public Switched Telephone Network, and recommendations that would promote the continued evolution of wireless technologies.

**What is the approximate Percentage of these recommendations that have been or will be Fully implemented by the agency?**

16%

## **% of Recommendations Fully Implemented Comments**

The nature of the recommendations are broad and many of them will necessarily encompass feedback from other agencies and the public. Many of them will also entail efforts that will be accomplished over a period of years. It is expected that in this long term process, the initial recommendations of the TAC members will likely be modified in part to meet existing circumstances.

**What is the approximate Percentage of these recommendations that have been or will be Partially implemented by the agency?**

25%

## **% of Recommendations Partially Implemented Comments**

The number of partially implemented of TAC recommendations vary from year to year, but generally a higher percentage of recommendations will partially be acted upon than fully implemented.

**Does the agency provide the committee with feedback regarding actions taken to implement recommendations or advice offered?**

Yes ☒ No ☐ Not Applicable ☐

## Agency Feedback Comments

Feedback provided at meetings.

## What other actions has the agency taken as a result of the committee's advice or recommendation?

Checked if Applies

Reorganized Priorities	<input checked="" type="checkbox"/>
Reallocated resources	<input checked="" type="checkbox"/>
Issued new regulation	<input type="checkbox"/>
Proposed legislation	<input type="checkbox"/>
Approved grants or other payments	<input type="checkbox"/>
Other	<input checked="" type="checkbox"/>

## Action Comments

Agency considers Technological Advisory Committee input when deciding how to allocate engineering and technical resources. White House working with FCC on possible executive order for deployment of broadband infrastructure.

## Is the Committee engaged in the review of applications for grants?

No

## Grant Review Comments

NA

## How is access provided to the information for the Committee's documentation?

Checked if Applies

Contact DFO	<input checked="" type="checkbox"/>
Online Agency Web Site	<input checked="" type="checkbox"/>
Online Committee Web Site	<input checked="" type="checkbox"/>
Online GSA FACA Web Site	<input checked="" type="checkbox"/>
Publications	<input type="checkbox"/>
Other	<input checked="" type="checkbox"/>

## Access Comments

A number of documents have been prepared by the TAC to explain their work. These are available at the TAC website: Current status and details can be found at <http://www.fcc.gov/encyclopedia/technology-advisory-council>